



Enjoy Model International Corp. (EMI)

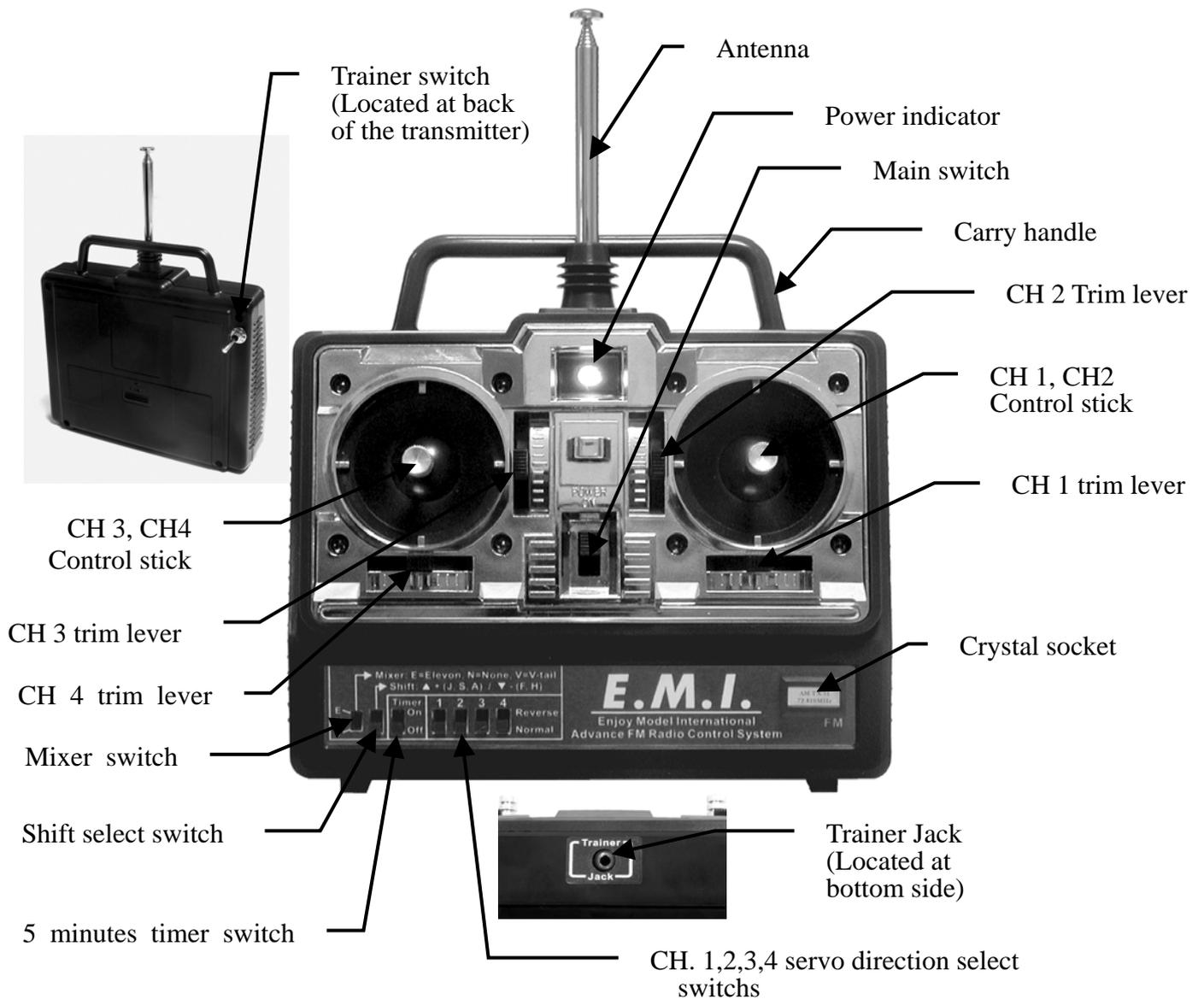
ETX-41



Functions :

1. **Self-check while power on**, Transmitter will alarm if any major function does not work properly.
2. **Low battery warning**, it alarms when the battery of transmitter is lower than 8.4V.
3. **All channel reverse switches**.
4. **PPM signal shift** (+ & -) for all major brand receivers. For avoiding mistake - switching during operation, the switching will only take effect while next time power on.
5. **Elevon and V-tail mixer build in**. Switch between Elevon, None or V-tail mixing setup. For avoiding mistake - switching during operation, the select switch will only take effect while next time power on.
6. **5 minutes timer notice**, buzzer will notice every 5 minutes (-. for 5 minutes, -.. for 10 minutes, -... for 15 minutes until -..... for 30 minutes, then circle it) when the timer switch is on.
7. **Trainer jack** for instructor (power on side) & student (power off side) training flight. Two EMI ETX-41s must set the same shift for trainer operation. It works with all major R/C flight simulators.

Layout of Mode 2 control type :



(The channel number of the control sticks will be different from different stick mode type.)

Functions and switches: (Please refer to above Diagram.)

There are many functions and switches are built in this transmitter, the following show how they work.

1. **Self-check while power on:** The transmitter will do Self-check while power is on, Transmitter will alarm “Bi” sound once when system check is OK“, or continue “Bi, Bi, Bi.....” warning sound when the self check is false. Please send it for repairing ◦
2. **Low battery warning:** The transmitter power indicator LED shows its batteries status: Green - OK, Red - Need replacing, more over it will alarm “Bi, Bi..” sound to warn a MUST replacing. Urgent land the plane and do it.
3. **All channel reverse switches.:** There are reverse switches for each channel, set it to match to your airplane servos installation.
4. **PPM shift switch:** Special 72 MHz FM PPM shift switch , Switch it Upward to send out PLUS (+) shift PPM control signal, downward for Negative (-) shift PPM control signal, check with your receiver and set it correctly to match to your PPM receiver system. For avoiding mistake - switching during operation, the switching will only take effect while next time power on.
5. **Mixer switch:** Mixer control switch is set as “N” position for no any mixer function setup, “E” for “Elevon” mixing (CH1, 2 mixed , for tail-less plane) ◦ “V” for V-Tail mixing (CH2, 4 mixed, for V-Tail type plane). For avoiding mistake - switching during operation, the switching will only take effect while next time power on.
6. **Five Min. timer alarms:** As switch up to “on” position, transmitter will alarm two short “Bi” sound and start the timing. Up to 5 Min. it will alarm one long and one short “Bi” sound, one long and two short ‘Bi’ sound as it is 10 Min., one long and three short “Bi” sound as it is 15. constantly to 30 Min. then circle again. Switch it off, it will response one short “Bi” sound then stop and reset the timing.
7. **Trainer jack and switch:** Instructor can use the trainer switch of his transmitter and a trainer core to connect to student’s radio to fly the same airplane, and decide who is the controller for a safe training. First, both radios must have the exactly same setup and the instructor’s transmitter must in the same frequency band as the plane. Plug the trainer core into both radios, whole radio system except the transmission will turn on automatically. Turn on Instructor’s radio and MUST keep the student’s radio off. In normal condition, the plane is controlled by the instructor, who can push trainer switch upward to give the control to the student, and release the switch to get back the control immediately. Please notice that connecting wire must not entangle any thing or body cause pulled off.

This instruction manual contains all information necessary for the proper installation and operation of the transmitter including add controls, adjustments and switched that may be operated or adjusted without resulting in a violation of the FCC rules.

Warning: Any adjustment that could result in a violation of the rules or that is recommended to be performed by or under the immediate supervision and responsibility of a person certified as technically qualified to perform transmitter maintenance and repair duties in the private land mobile services and fixed services by an organization or committee representative of users of those services.

Warning: The replacement of any transmitter component (crystal, semiconductor, etc.) that could result in a violation of the rules.